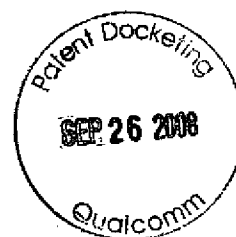


PATENT COOPERATION TREATY



From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:
ROBERT J. O'CONNELL
QUALCOMM INCORPORATED
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PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of Mailing
(day/month/year) **22 SEP 2008**

Applicant's or agent's file reference

010558WO

IMPORTANT NOTIFICATION

International application No.

PCT/US02/15295

International filing date (day/month/year)

14 May 2002 (14.05.2002)

Priority date (day/month/year)

15 May 2001 (15.05.2001)

Applicant

QUALCOMM INCORPORATED

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Mail Stop PCT, Attn: IPEA/ US
Commissioner for Patents
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)



Applicant's or agent's file reference 010558WO	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US02/15295	International filing date (day/month/year) 14 May 2002 (14.05.2002)	Priority date (day/month/year) 15 May 2001 (15.05.2001)
International Patent Classification (IPC) or national classification and IPC: IPC: H04B 7/00 (2006.01) USPC: 455/417,422.1,423,427,428,434,528;370/335,338,336,321,351,389,442,470;709/217,227,231,236,238		
Applicant QUALCOMM INCORPORATED		
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of ___ sheets.</p>		
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of report with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>		
Date of submission of the demand 13 December 2002 (13.12.2002)	Date of completion of this report 21 June 2008 (21.06.2008)	
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/ US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer George Eng Telephone No. (571) 271-7495	

I. Basis of the report**1. With regard to the elements of the international application:***

- ☒ the international application as originally filed.
- ☒ the description:
pages 1-26 as originally filed
pages NONE filed with the demand
pages NONE filed with the letter of _____
- ☒ the claims:
pages 27-34 as originally filed
pages NONE as amended (together with any statement) under Article 19
pages NONE filed with the demand
pages NONE filed with the letter of _____
- ☒ the drawings:
pages 1/7-7/7 as originally filed
pages NONE filed with the demand
pages NONE filed with the letter of _____
- ☐ the sequence listing part of the description:
pages NONE as originally filed
pages NONE filed with the demand
pages NONE filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in printed form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☒ The amendments have resulted in the cancellation of:

- ☒ the description, pages NONE
- ☒ the claims, Nos. NONE
- ☒ the drawings, sheets/fig NONE

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/US02/15295**V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. STATEMENT**

Novelty (N)	Claims <u>NONE</u>	YES
	Claims <u>1-60</u>	NO
Inventive Step (IS)	Claims <u>NONE</u>	YES
	Claims <u>1-60</u>	NO
Industrial Applicability (IA)	Claims <u>1-60</u>	YES
	Claims <u>NONE</u>	NO

2. CITATIONS AND EXPLANATIONS*Please See Continuation Sheet*

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

V. 2. Citations and Explanations:

Claims 1-60 lack novelty under PCT Article 33(2) as being anticipated by Ayerst et al. (US 5,799,012).

Regarding claim 1, Ayerst discloses a method for delivering information to a mobile station in a group communication network, the method comprising: determining whether the information is smaller than a predetermined size limit; and delivering the information to the mobile station on a forward common channel if the information is smaller than the predetermined size limit. See FIGS. 1-4, col. 3, lines 8-35, col. 5, lines 9-40 and 41-65.

Regarding claim 2, Ayerst discloses wherein the delivering includes delivering the information when the mobile station is in idle state with no traffic channel. See col. 7, lines 12-39.

Regarding claim 3, Ayerst discloses wherein the delivering the information includes delivering the information on a forward paging channel (F-PCH). See col. 4, lines 17-46.

Regarding claim 4, Ayerst discloses wherein the delivering the information includes delivering the information on a forward common control channel (F-CCCH). See col. 7, lines 12-39.

Regarding claim 5, Ayerst discloses wherein delivering the information includes delivering the information in short data burst (SDB) form. See col. 26, lines 20-54.

Regarding claim 6, Ayerst discloses a computer-readable medium embodying a method delivering information to a mobile station in a group communication network, the method comprising: determining whether the information is smaller than a predetermined size limit; and delivering the information to the mobile station on a forward common channel if the information is smaller than the predetermined size limit. See FIGS. 1-4, col. 3, lines 8-35, col. 5, lines 9-40 and 41-65.

Claims 7-10, 12-15, 17-20, 22-25, 27-30, 32-35, 37-40, 42-45, 47-50, 52-55 and 57-60 lack novelty for the same reasons as claims 2-5.

Regarding claim 11, Ayerst discloses an apparatus for delivering information to a mobile station in a group communication network, comprising: means for determining whether the information is smaller than a predetermined size limit; and means for delivering the information to the mobile station on a forward common channel if the information is smaller than the predetermined size limit.

Regarding claim 16, Ayerst discloses an apparatus for delivering information to a mobile station in a group communication network,

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

comprising: a receiver to receive information over the network; a transmitter to transmit information over the network; and a processor communicatively coupled with the receiver and the transmitter, the processor being capable of: determining whether the information is smaller than a predetermined size limit; and delivering the information to the mobile station on a forward common channel if the information is smaller than the predetermined size limit. See FIGS. 1-4, col. 3, lines 8-35, col. 5, lines 9-40 and 41-65.

Regarding claim 21, Ayerst discloses a method for delivering information to a mobile station in a group communication network, the method comprising: encapsulating the information inside a frame; forwarding the frame to a server for delivery to the mobile station; and causing the server to extract the information from the frame and deliver the information to the mobile station on a forward common channel. See col. 4, lines 17-46, col. 5, lines 41-65 and col. 7, lines 12-39.

Regarding claim 26, Ayerst discloses a computer-readable medium embodying a method delivering information to a mobile station in a group communication network, the method comprising: encapsulating the information inside a frame; forwarding the frame to a server for delivery to the mobile station; and causing the server to extract the information from the frame and deliver the information to the mobile station on a forward common channel. See FIGS. 1-4, col. 3, lines 8-35, col. 5, lines 9-40 and 41-65.

Regarding claim 31, Ayerst discloses an apparatus for delivering information to a mobile station in a group communication network, comprising: means for encapsulating the information inside a frame; means for forwarding the frame to a server for delivery to the mobile station; and means for causing the server to extract the information from the frame and deliver the information to the mobile station on a forward common channel. See col. 4, lines 17-46, col. 5, lines 41-65 and col. 7, lines 12-39.

Regarding claim 36, Ayerst discloses an apparatus for delivering information to a mobile station in a group communication network, comprising: a receiver to receive information over the network; a transmitter to transmit information over the network; and a processor communicatively coupled with the receiver and the transmitter, the processor being capable of: encapsulating the information inside a frame; forwarding the frame to a server for delivery to the mobile station; and causing the server to extract the information from the frame and deliver the information to the mobile station on a forward common channel. See FIGS. 1-4, col. 3, lines 8-35, col. 5, lines 9-40 and 41-65.

Regarding claim 41, Ayerst discloses a method for delivering information to a mobile station in a group communication network, the method comprising: receiving information for delivery to the mobile station, the information being tagged for delivery over a forward common channel; and delivering the information to the mobile station over the forward common channel. See col. 4, lines 17-46, col. 5, lines 41-65 and col. 7, lines 12-39.

Regarding claim 46, Ayerst discloses a computer-readable medium embodying a method delivering information to a mobile station in a group communication network, the method comprising: receiving information for delivery to the mobile station, the information being tagged for delivery over a forward common channel; and delivering the information to the mobile station over the forward common channel. See FIGS. 1-4, col. 3, lines 8-35, col. 5, lines 9-40 and 41-65.

Regarding claim 51, Ayerst discloses an apparatus for delivering information to a mobile station in a group communication network, comprising: means for receiving information for delivery to the mobile station, the information being tagged for delivery over a forward common channel; and means for delivering the information to the mobile station over the forward common channel. See col. 4, lines 17-46, col. 5, lines 41-65 and col. 7, lines 12-39.

Regarding claim 56, Ayerst discloses an apparatus for delivering information to a mobile station in a group communication network, comprising: a receiver to receive information over the network; a transmitter to transmit information over the network; and a processor communicatively coupled with the receiver and the transmitter, the processor being capable of: receiving information for delivery to the mobile station, the information being tagged for delivery over a forward common channel; and delivering the information to the mobile station over the forward common channel. See col. 4, lines 17-46, col. 5, lines 41-65 and col. 7, lines 12-39.

----- NEW CITATIONS -----